

Title (en)

SENSING DEVICE AND INFORMATION PROCESSING DEVICE

Title (de)

SENSORVORRICHTUNG UND INFORMATIONSVERRICHTUNG

Title (fr)

DISPOSITIF DE DÉTECTION ET DISPOSITIF DE TRAITEMENT D'INFORMATIONS

Publication

EP 4060284 A1 20220921 (EN)

Application

EP 20887236 A 20200929

Priority

- JP 2019206918 A 20191115
- JP 2020037038 W 20200929

Abstract (en)

A sensing device comprises a light source, a light-receiving device comprising at least one light-receiving element that performs photoelectric conversion, and a processing circuit that controls the light source and the light-receiving device. The processing circuit causes the light source to emit light to a scene at least once, causes the light-receiving device to receive reflected light in each of a plurality of exposure periods, the reflected light being resulting from the emitted light, generates, based on received-light data from the light-receiving device, luminance data that indicates distributions of amounts of reflected light corresponding to the respective exposure periods and that are used for generating distance data for the scene, and outputs the luminance data and timing data indicating timings of the respective exposure periods.

IPC 8 full level

G01C 3/06 (2006.01); **G01S 7/486** (2020.01); **G01S 17/89** (2020.01)

CPC (source: CN EP US)

G01C 3/06 (2013.01 - CN); **G01S 7/4865** (2013.01 - CN EP); **G01S 7/487** (2013.01 - US); **G01S 7/4873** (2013.01 - EP US); **G01S 17/18** (2020.01 - EP); **G01S 17/894** (2020.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2022236378 A1 20220728; CN 114600000 A 20220607; EP 4060284 A1 20220921; EP 4060284 A4 20230104; JP WO2021095382 A1 20210520; WO 2021095382 A1 20210520

DOCDB simple family (application)

US 202217722448 A 20220418; CN 202080074673 A 20200929; EP 20887236 A 20200929; JP 2020037038 W 20200929; JP 2021555937 A 20200929